

THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY

703.4 - SA Wheat Standards 2016-2017 - Iss1 - October 2016

Sampling Guidelines

- 1) A minimum of 3 vertical probes must be taken from every bin-load tendered for delivery. At least 3 litres must be drawn plus an additional litre for every 10 tonnes in the load.
- 2) The sample must be mixed prior to assessment.
- 3) A half litre sub-sample must then be taken for test weight, screenings, unmillable, defect and contaminant determination.
- 4) A separate sub-sample may be taken for assessment of other traits.

Binning guidelines.

Varietal restrictions apply to the grades on this chart.

**These standards are to be applied on individual truck loads and must not be averaged over a number of loads
Segregations indicated on this chart are not available at all GrainFlow locations.**

Test Code	Binned grade	APH2	H1	H2	AUH2	APW1	ASW1	AGP1	HPS1	FED1
MOGR	Moisture max (%)	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
PRGR	Protein Content (%) Minimum	13.0	13.0	11.5	11.5	10.5	No limit	No limit	11.5	No limit
TWT	Test Weight min (kg/hl)	76	76	76	71	76	76	68	68	62
UNMB	Screenings max (% by weight)	5.0	5.0	5.0	10.0	5.0	5.0	10.0	25.0	15.0
UNM	Unmillable Material Above the Screen max (% by weight) Includes whiteheads (with grains removed), chaff, backbone, Wild Radish, Milk Thistle, other seedpods	0.6	0.6	0.6	1.2	0.6	0.6	1.2	2.6	2.6
Defective grains- Maximum tolerance % by count per 300 Grain Sample unless otherwise stated (1% = 3 grains). Sample to be taken from above the 2mm screen. Note: NIL tolerance applies to the entire load										
FALL	Falling Number min (seconds)	350	300	300	250	300	300	200	250	No Limit
SPRO	Sprouted Grains max (% by count) Sprouted Kernels are those in which the covering of the germ is split and any further advanced stage of growth to the extent of the germ having grown or shot Note: The NIL tolerance for sprouted grain doesn't apply if a Falling Number test is conducted.	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	No Limit
FFUN	Stained Grains max (% by count) Grains with a mould like discolouration on less than 50 % of the entire grain surface (Does not include Storage Moulds) Includes: Blackpoint, Blacktip and staining due to moist plant material	5% (15 grains)	5% (15 grains)	5% (15 grains)	15% (45 grains)	5% (15 grains)	5% (15 grains)	15% (45 grains)	10% (30 grains)	50% (150 grains)
PFUN	Included in stained Pink Stained max (% by count) affected by the fungi <i>Fusarium</i> , <i>Epicoccum</i> or <i>Drechslera</i> spp.	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	5% (15 grains)	3% (9 grains)	5% (15 grains)
WGDH	Included in Stained : White Grain Disorder/ Head Scab/ Flaked Grain max (% by count)	1% (3grains)	1% (3grains)	1% (3grains)	1% (3grains)	1% (3grains)	1% (3grains)	1% (3grains)	1% (3grains)	1% (3grains)
FFAG	Field Fungi Affected Grains max (count per half litre) Grains with the seed coat is greater than 50% discolouration with a mouldy substance (Does not include Storage Moulds)	10	10	10	10	10	10	10	20	40
GREE	Dry Green, Sappy Green (% by count)	1% (3 grains)	1% (3 grains)	1% (3 grains)	2% (6 grains)	1% (3 grains)	1% (3 grains)	5% (15 grains)	2% (6 grains)	No Limit
FTDG	Frost Damaged, Takeall Affected Grains max (% by count)	1% (3 grains)	1% (3 grains)	1% (3 grains)	2% (6 grains)	1% (3 grains)	1% (3 grains)	10% (30 grains)	2% (6 grains)	No Limit
BURN	Heat Damaged, Bin Burnt or Storage Mould Affected max (count per half litre)	1	1	1	1	1	1	1	1	5
SMUT	Grain Infected With Ball Smut (Also Stinking Smut or Bunt) max (entire load)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
DAMI	Insect Damaged Grains max (% by count)	1%	1%	1%	1%	1%	1%	2%	2%	4%
Foreign Seed Contaminants Tolerances apply to whole seeds or their equivalent in pieces and refer to the maximum total of all seeds named in each type per half litre. Except type (1) in which the maximum applies on an individual seed basis per half litre.										
WS1	Colocynth, Double Gees/Spiny Emex/Three Cornered Jack, Jute, Long Head Poppy, Mexican Poppy, New Zealand Spinach, Opium Poppy, Parthenium Weed, Poppy (Field), Poppy (Horned), Wild Poppy	8*	8*	8*	8*	8*	8*	8*	8*	8*
WS2	Castor Oil Plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Peanut seeds and pods, Ragweed, Rattlepods, Starburr, St Johns Wort	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
WS3A	Bathurst Burr, Bellvine, Branched Broomrape/Bulls Head/Caltrop/Cats Heads, Cape Tulip, Cotton Seed, Dodder Noogoora Burr, Thornapple	2	2	2	2	2	2	2	2	2
WS3B	Vetch (Tare), Vetch (Commercial)	4	4	4	4	4	4	4	4	4
WS3C	Heliotrope (Blue), Heliotrope (Common)	2 Pods/ 8	2 Pods/ 8	2 Pods/ 8	2 Pods/ 8	2 Pods/ 8	2 Pods/ 8	2 Pods/ 8	2 Pods/ 8	2 Pods/ 8
WS4	Bindweed(Field), Cutleaf Mignonette (seeds or pods), Darnel (Drake Seed), Hexham Scent/Meliot (King Island)** Hoary Cress, Mintweed, Night Shades, Paddy Melon, Skeleton Weed, Variegated Thistle	20	20	20	20	20	20	20	20	20
WS5	Knapweed (Creeping/Russian), Patersons Curse/Salvation Jane, Sesbania Pea	40	40	40	40	40	40	40	40	40
WS6	Columbus Grass, Johnson Grass, Saffron Thistle.	10	10	10	50	10	10	50	50	50
WS7A	Broad Beans, Chickpeas, Cowpea, Faba Beans, Lentils, Lupin, Maize (Corn), Peas (Field), Safflower, Soybean Sunflower and any other seeds or pods greater than 5mm diameter	1	1	1	10	1	1	10	10	100
WS7B	Barley (2 row), Barley (6 row), Bindweed (Australian), Bindweed (Black), Durum (Unlimited in FEED), Oats (Black/Wild), Oats (Sand), Oats (Common), Red/Spring Feed Wheats (Unlimited in FEED), Rice, Rye (Cereal), Sorghum, Triticale, Turnip Weed, Any other seeds not specified in Types (1) to (7a) or SFS.	50	50	50	150	50	50	150	150	400
SFS	Small Foreign Seeds (SFS) max (% by weight) All Foreign Seeds not specified in Types 1-7(b) that fall below the 2.0mm screen during the Screenings process	0.6	0.6	0.6	1.2	0.6	0.6	1.2	1.2	1.2
* Individual Seed Basis ** Hexham Scent is only acceptable if no tainting odour is present										
Other contaminants - Maximum tolerance per half litre unless otherwise stated Note: NIL tolerance applies to the entire load except where otherwise stated										
PICK	Pickling Compound max (entire load)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
CHEM	Chemicals Not Approved for Grain max (entire load)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
ERGR	Ergot of Ryegrass max (length in cm when pieces are aligned per half litre)	2cm	2cm	2cm	2cm	2cm	2cm	2cm	2cm	2cm
ERGW	Ergot of Wheat max (count per half litre)	1	1	1	1	1	1	1	1	1
SGIL	Stored Grain Insects and Pea Weevils :Live max (entire load)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
INLG	Field Insects (Large): All others max (count per half litre) Includes Rutherglen bugs, ladybirds, grasshoppers, locusts, sitona weevils, wood bugs & pea weevil (dead only)	3	3	3	3	3	3	3	3	3
INSM	Field Insects (Small): (count per half litre) Includes all species of aphid, mites & stored grain insects (dead only)	10	10	10	10	10	10	10	10	10
SNAL	Snails (Live or Dead) max (count per half litre)	1	1	1	1	1	1	10	5	10
EAR	Earcockle max (number per half litre)	10	10	10	10	10	10	15	10	50
LSMT	Loose Smut max (pieces per half litre)	3	3	3	3	3	3	3	3	3
ESA	Sand max (count per half litre)	20	20	20	50	20	20	50	50	50
ESAP	Earth (5mm max in diameter)	1	1	1	1	1	1	1	1	1
STON	Stones (g per 2.5L) Maximum weight of all stones above 2.0mm screen per 2.5 L	4	4	4	4	4	4	4	4	4
OBJM	Objectionable Material max (entire load) Includes sticks, gravel, odour and other foreign material such as animal excreta, glass, addition of water, concrete and metal	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
ONOM	Other Non-Objectionable Material max (% by weight) Includes fine material (dust and minerals), pieces snail shell, sticks less than 1cm long and 0.5cm diameter, other non-vegetative material	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2